

Figure 1

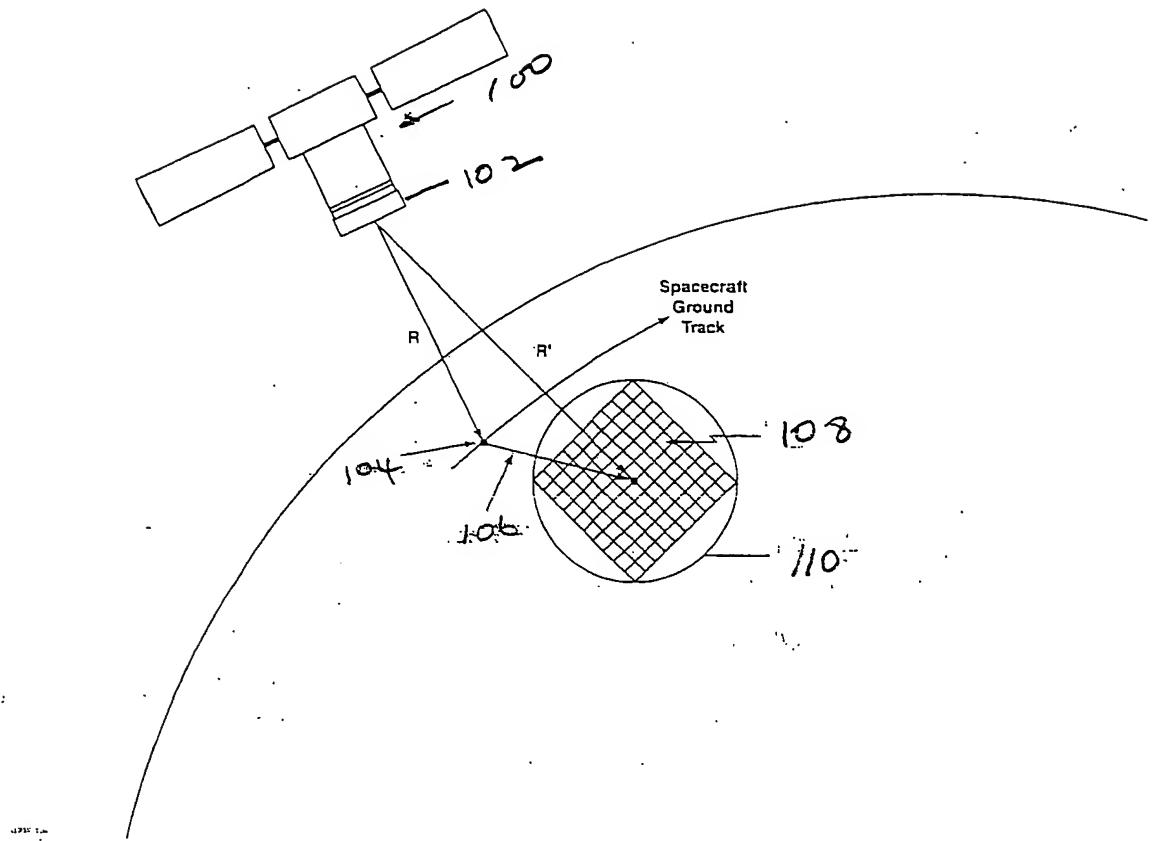
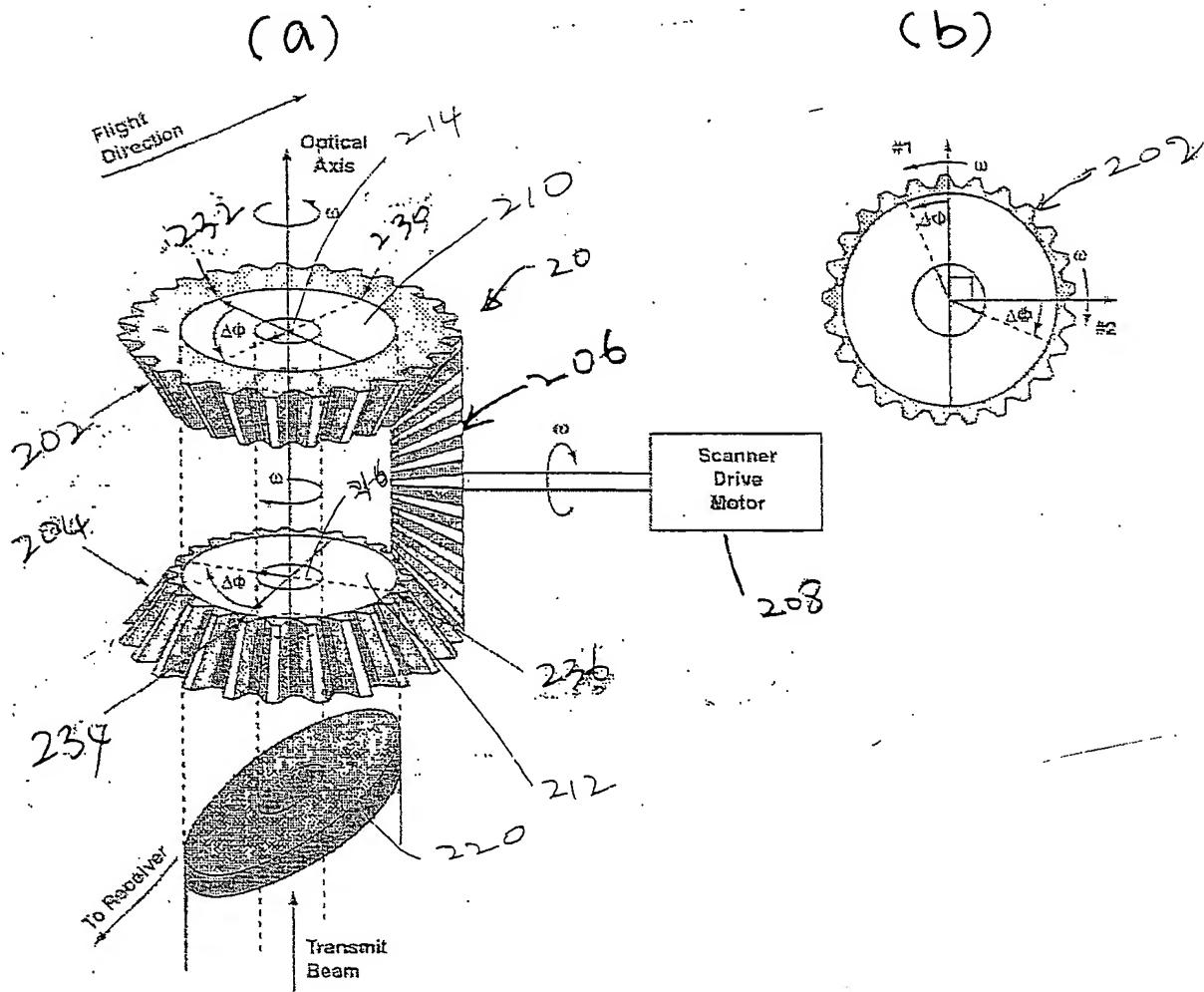


Figure 2



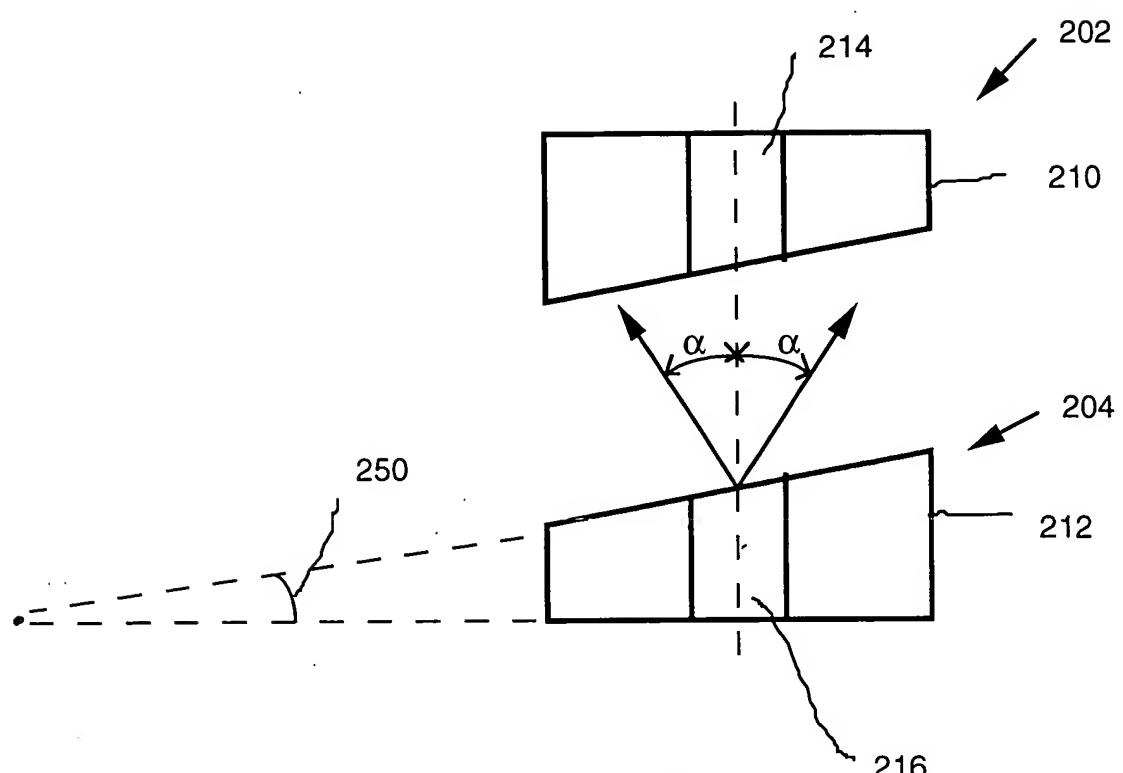


Figure 2(c)

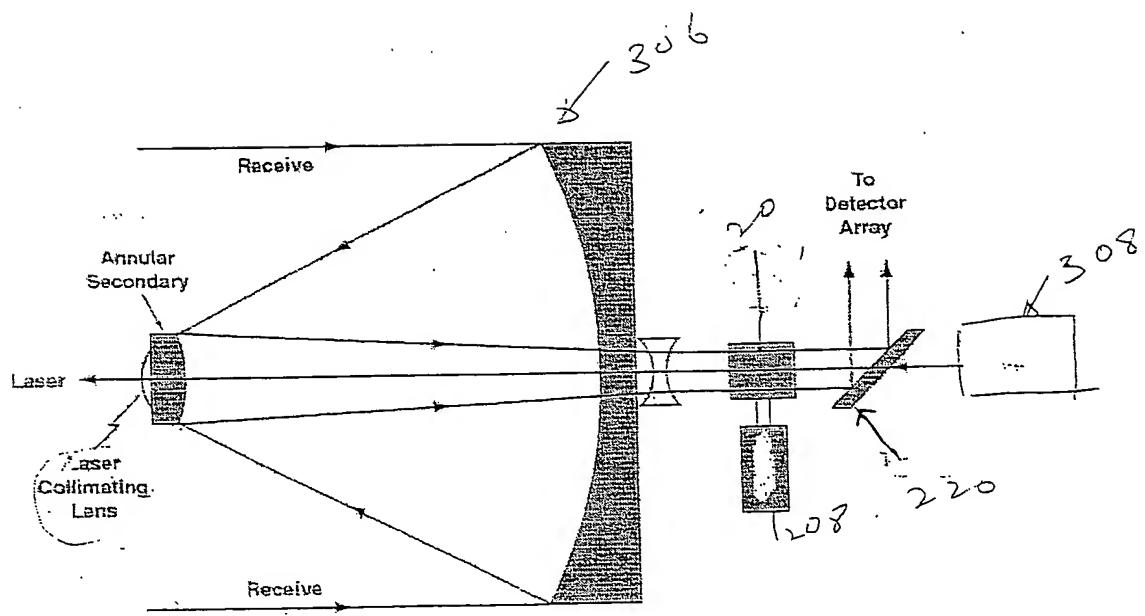


Figure 3

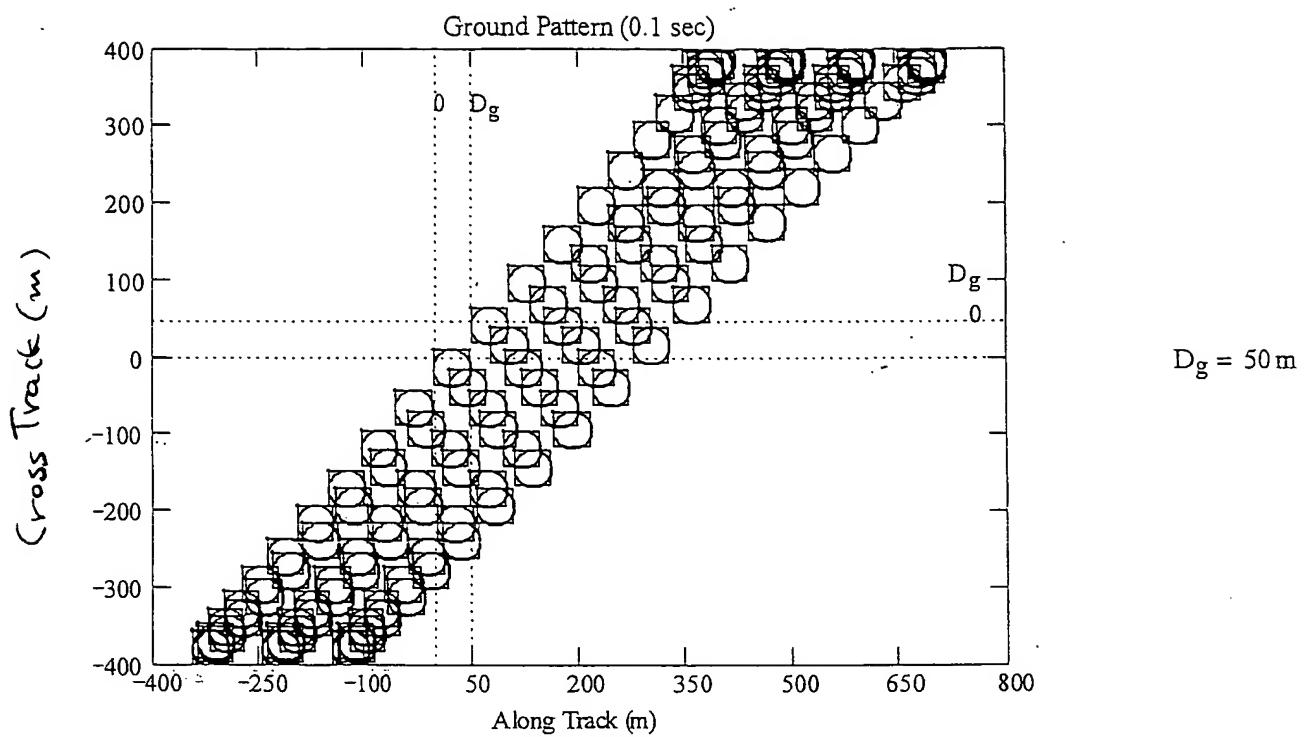
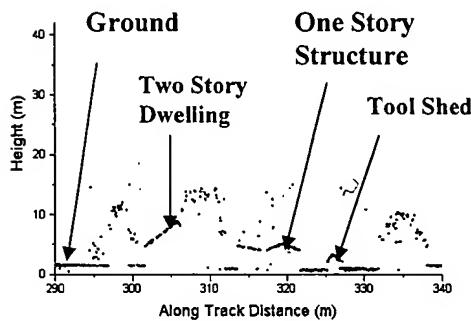


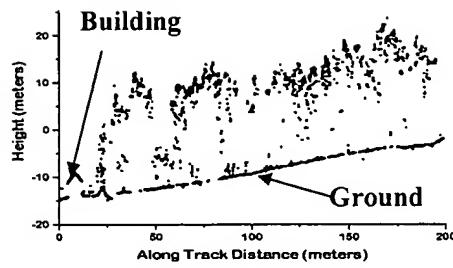
Figure B4

- Engineering Flight Parameters**

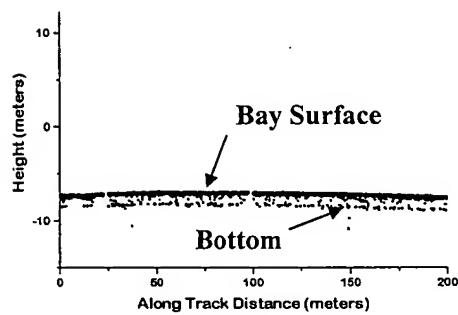
- NASA P-3 Aircraft, Wallops Flight Center
- Locale: Chincoteague, VA & Chesapeake Bay
- Flight Altitudes: 3.5 to 6.7 km (11,000 to 22,000 ft)
- Early afternoon (maximum solar background)
- Laser Energy: $< 2 \mu\text{J}$ @ 532 nm
- Laser Repetition Rate: 3.8 kHz
- Laser Power: ~7 mW
- Effective Telescope Diameter: 14 cm
- Mean Signal Strength per Laser Fire: ~ 0.88 pe



Buildings and Trees



Tree Canopy Heights



Shallow Water Bathymetry

Figure 5